



Tools for Cleaning Up Illinois Diesel: Technology, Funding, and Collaboration

May 2, 2006



IdleAire Today

■ Advanced Truckstop Electrification (ATE®)

- Comprehensive solution for idle reduction, improved driver work environment, driver retention / recruiting benefit and remote training tool
- Currently operate 26 locations across 11 states with 1,709 ATE® parking spaces
- Delivered over 6 million hours of service & 500,000 visits
- The ONLY Electrification System that allows for ANY Truck to Stop Idling Today!



IdleAire Today

■ Company History

- Incorporated in 2000 and headquartered in Knoxville, TN
- 2 Patents give intellectual property rights to IdleAire to provide HVAC, electricity and other services to a “parked vehicle”
- Raised over \$108 million of equity
- Closed on \$320 million in institutional debt on Dec. 30, 2005 to provide for a 210 site rollout

■ Awards

- Recognized by R&D Magazine as “One of the 100 most technologically significant products for 2002”
- Awarded Clean Air Excellence Awards by the EPA, California & Texas
- 2003 Signpost Survey - 1,143 random drivers said IdleAire, PrePass, TripPak & satellite communications are the most requested benefits

Overhead Services Delivery

Standard Services

- Remote Controlled Power
- 120/208 VAC ShorePower
- Filtered Heating and Air Conditioning
- In-Cab Computer With Touch Screen
- Internet Access With Email
- Satellite TV
- Telephone Connection

Optional Services

- Video & Movies on Demand
- In-Cab Training (Interactive Video)
- Discount Long Distance Calling
- Ethernet & WiFi Internet connections



The ATE® System Service Module (front)

Night Light

Lighted On/Off Button for the screen, so you can find it easily in the dark

Card Reader

Slide your member Card and follow instructions

Built-In Touch Screen Computer

Control your "Home-On-The-Road" and surf the Internet

Help

Available 24x7. On-Screen Context-Sensitive Help or dial 611 from your cab phone or 800-738-7024 from any phone

Go Buttons

One-Touch Access to Main Functions

USB Ports

Use a keyboard, mouse or other USB devices

110V Electric Outlets

Inside and Outside your cab for appliances, block/fuel heaters and other accessories

Internet

High-Speed Ethernet Port for Internet on your Computer - Wireless Internet also available

Central Heat & Air

Thermostat controlled filtered air flow, recycled from your cab

Telephone

Plug in a regular phone for incoming and outgoing calls

Television

Connect your TV with standard COAX cable for Premium Satellite TV



Easy Access, Simple Installation

1 Park in IdleAire Space



2 Install Window Adapter



3 Insert Service Module Into Window Adapter



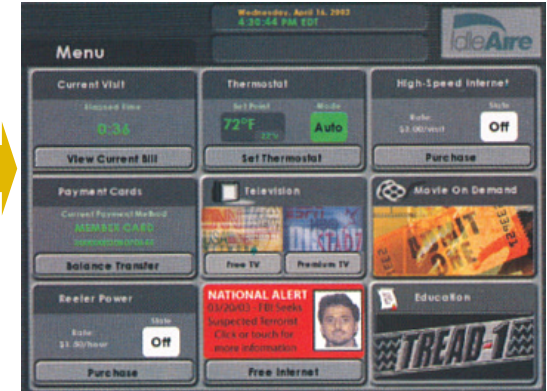
4 Open Service Module



5 Pay for the Services You Want in Your Cab



6 Make Your Choices



ATE® Partners

Fleet Owners

Reduces Fuel, Maintenance and Insurance Costs

Hedge Against 100% Driver Turnover

Improves Communications and Logistics Management

Truck Drivers

Stops Idling Noise & Vibration

Improves Quality of Rest

Provides New Entertainment & Communication Features



Truck Stops, Ports, Terminals, etc.

Substantial Revenues from Parking Spaces

Stops Idling Noise & Emissions

Reduces Oil-Water Runoff

Provides competitive advantage in attracting drivers

Environmental & Community Benefits

Stops Idling Noise

Stops Idling Emissions

Compliance with Clean Air Act

Stops Fuel Waste

Efficient Energy Use

Improves Highway Safety

Reduces Health Costs

Stops CO Poisoning

Reduces Illegal Parking

ATE® Benefits to Date

■ **Currently operate 26 locations across 11 states with 1,709 ATE® parking spaces**

- Delivered over 6 million hours of service
- Over 500,000 visits
- 80% of visitors are repeat visitors



■ Significant Air Quality and Energy Efficiency Accomplishments

- 6 Million+ gallons of diesel fuel saved
- 60,000+ metric tons of emissions prevented



ATE® Public Benefits Summary

- **Current build out of 210 additional locations is expected to reduce emissions by 500,000 metric tons, while saving over 50 million gallons of diesel fuel annually**
- **Future deployment has the potential to save up to 4.4 billion gallons of diesel fuel each year while reducing noxious air emissions by 46 million tons annually**
- **Reduce heavy truck fatalities involving driver fatigue and sleep deprivation**
 - 31% of annual heavy truck fatalities involve driver fatigue (NTSB)
 - 42% of driver accidents occur within the first 2 hours of driving (FMCSA)

***Fully deployed, the ATE®
system will have significant environmental, energy and safety
benefits***

Truck Idling – Air Quality

Emission ¹	Single Truck (g/hr)	Single Truck (9.6 Hrs/Day) (Metric Tons/yr)	50 Spaces (9.6 Hrs/Day) (Metric Tons/yr)	500 Spaces (9.6 Hrs/Day) (Metric Tons/yr)
NO_x	135.00	0.41	23.65	236.5
PM	3.68	0.011	.645	6.477
VOC	6.84	0.021	1.199	11.992
CO	56.14	0.169	9.84	98.36
CO₂	10,397.00	31.14	1,821.55	18,215.5
Total	10,598.66	31.75	1,856.89	18,568.9

¹The emission factors for CO and VOC come from EPA's Mobile6 Emissions Model to estimate the emissions from idling trucks. NOx and PM factors are calculated based on 2004 EPA Guidance. Diesel CO2 emission values are based on Argonne models. Electric emissions for CO, NOx, PM, and VOC come from Argonne's GREET model: CO2 from EPA breakout by region. An IdleAire utilization rate of 40% (9.6 hours/day/unit) is assumed.

ATE® Deployment in EPA Region 5

■ Initial deployment of 1,008 ATE® Units

- Will reduce approximately 37,000 metric tons of emissions annually
- Save approximately 3.5 million gallons of diesel fuel annually

EPA Region 5 Locations (construction start by August '06)

State	Location	ATE Units
IL	Pilot #313 -East St. Louis (Gateway)	72
IL	TA #035 - Effingham	60
IL	Petro #21 - Effingham	60
IN	TA #220 - Porter	75
IN	TA #010 - Gary	63
IN	Pilot #037 -Whiteland	51
IN	TA #219 - Lake Station	72
MI	TA #069 - Monroe	66
MI	Pilot #026 -Ottawa Lake	66
OH	TA #015 - Lodi	66
OH	TA #058 - Youngstown	63
OH	Petro #57 - New Paris	72
OH	Petro #25 - North Baltimore	72
OH	Petro #20 - Girard	75
OH	Petro #17 - Stony Ridge	75
		<hr/> 1,008

Phase 2 Deployment – A Network of Locations

■ Funded by \$320 million debt offering

■ 210 Locations, 13,180 ATE® spaces by April, 2007

- 160 travel centers with 11,680 ATE® spaces
- 50 fleet terminals with 1,500 ATE® spaces

■ Strategically picked locations

- Along major interstate highways and freight lanes in 35 states
- 1 – 2 hour distances between locations
- Travel centers with high quality driver amenities
- Layover sites

■ Completed Construction

- Pilot, Laredo, TX
- TA, New Braunfels, TX

■ Under Construction

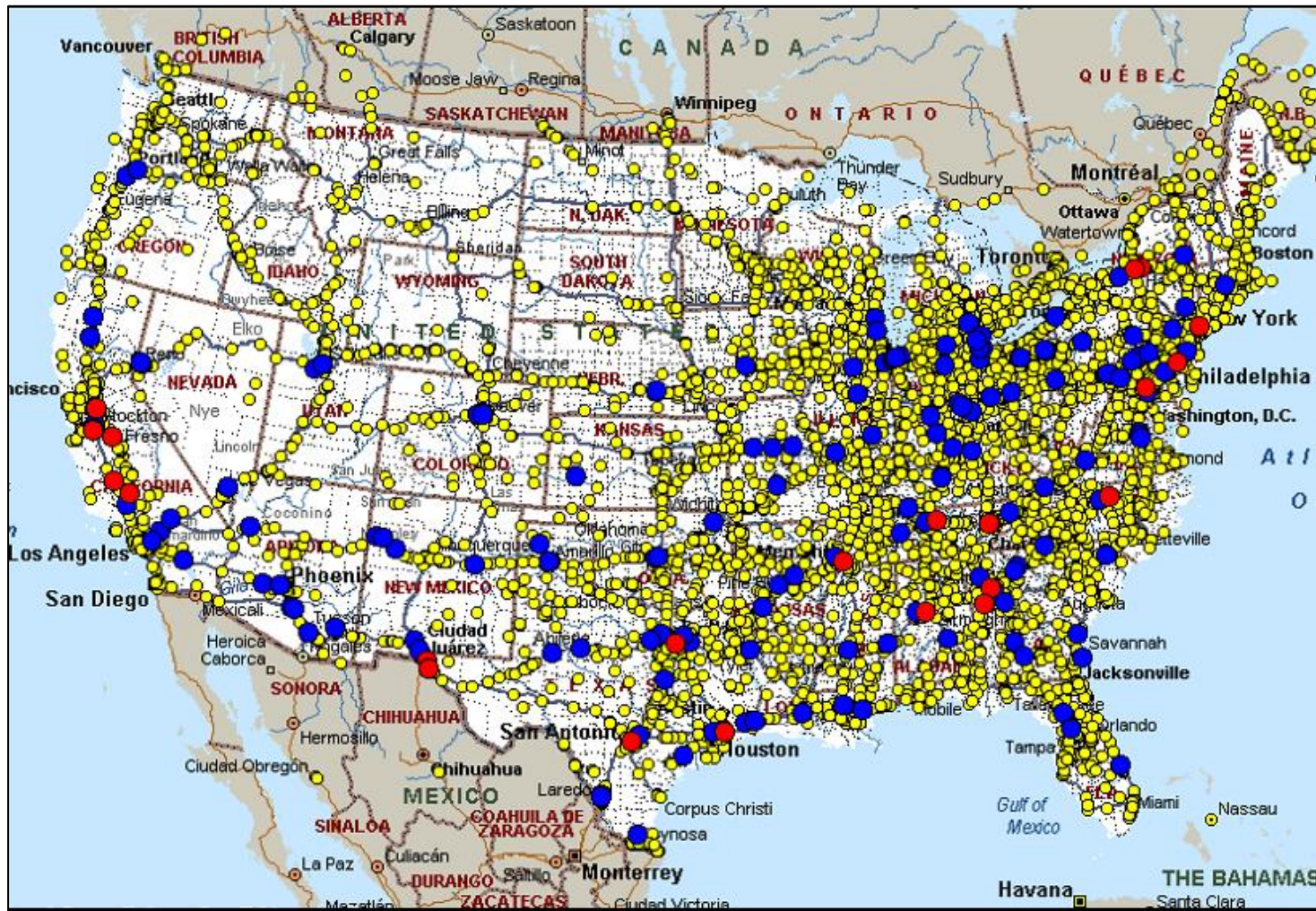
- TA, Ontario (East), CA
- TA, Ontario (West), CA
- TA, Knoxville (East), TN
- Petro, N. Little Rock, AR

■ April, 2006 Construction Starts

- TA, Coachella, CA
- TA, Atlanta, GA
- TA, Spartanburg, SC
- Petro, Carlisle, PA
- TA, Cartersville, GA

■ May, 2006 Construction Starts - 22

Phase 2 Network Locations



Planned Sites ● En route Truck Position on a Sample Day in September 2004 ● Current IdleAire Locations ●

Source: Qualcomm.

Summary

■ IdleAire's "Win-Win-Win" value proposition:

- Saves Fuel, Maintenance, Wear and Repair Costs from Idling
- Removes the Noise, Vibration and Fumes of an Idling diesel engine
- Reduces sleep deprivation and fatigue which improves accident rate
- Improves driver turnover, helps retain best drivers and recruits new drivers

■ 210 new locations in 35 states make IdleAire easy to find and use

■ New Products & Services coming

- Space Reservation Systems
- Driver Loyalty Program
- Driver Safety Training
- Fleet Safety Training
- Driver Education
- Fleet Dispatcher Messaging
- On Board Diagnostics



Truck Stop Electrification for the 21st Century

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